Answer Key Algebra 2 Ch. 5 Mini-Test

5.1 p 899: 5.2 p 250

15) Minimum; -0.25, Domain is all reals; Range: y > -0.25 30) 3 seconds

18. Minimum; 0; Domain is all reals; Range: y > 0

Points: (-3, 4), (-2, 1), (-1, 0), (0, 1), (1, 4) Word Problems

 1) a) $925

5.2 p 900: b) 1250 cans

1) -3 & 2 2) a)

 $P\left(x\right)=-0.00006x^{2}+28x-500,000$

2) 0

3) -1 & 5 b) $2,500,000

5.3 p 900: should be $x=300,000$

5) 0 & 4

6) -2 & 2

7) $-\frac{3}{4}$ & $\frac{5}{6}$

8) -9 & 8

6.1 p 902:

6) $-2x^{6}$

15) $4y^{10}$

22) $\frac{125a^{21}}{8b^{15c^{3}}}$

6.2 p 902)

15) $16x^{2}-24x+9$

16) $25x^{2}+60x+36$

17) $x^{2}-2x+1$